Work Order I Thursday, May 05, 20								•	\	Page
Item ID: D33 Revision ID:	91-025			Accept			s s	etup Star	! !# <b>!</b>	
Item Name: Aft 7	Гube Asseml	bly	*		-			Stop		
Start Date: 5/5/2 Required Date: 5/20		Start Qty: 1.00 Req'd Qty: 1.00			Cust Item I	D:			y <b>'</b>	
Reference:						MATERIAL AND A 16 to 1	R	tun Star		
Approvals: Pro	cess Plan:		Date:	Tooling: SPC (Y/N):		ate:		Stop		
Sequence ID/ Work Center ID.		Operation Description		Set Up/ Run Hours	Tool ID	Tool # Plan Code	Accept Qty	Reject ?	Reject Number	Insp. Stamp
Draw Nbr	Revisi	on Nbr		7777 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7					The Street speeds and the control of	
D3391 .	Rev H	/ DEO								
100 Mori Seiki Mori Seiki CNC Lathe La		MORI SEIKI CNC LA Memo Turn as po	A	0.00 (2) (4) 0.00 (4) 2 Dwg D3391 Rev:		m an 1/1/05/11		<u>6</u> _		
V. T		***scribe	batch # on fwd end at 90 d	•	AMF4					
110		C2- Inspect parts off	machine FAI/FAIB	0.00	F.S/91911	11/25/11	*:	K		
QC Quality Control		Мето		0.00		<b>,</b>	An and the second second	Ψ		He .
	(	QC8- Inspect parts - so	econd check	0.00	1 NO5/2	14		eA ·	•	
QC		Memo		0.00	J. 10. 10.	- /	***************************************		Managaran and Amagaran Amagara	···

Quality Control

	•										
W/O:	, i		W	ORK ORD	ER CHANC	GES					
DATE	STEP	PROC	CEDURE CH	ANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		• •									
Part No	•	PAR #:	_ Fault Cat	tegory:		NCI	R: Yes 1	No DQ	<b>A:</b>	Date: _	
	R	esolution:	_ Disposit	ion:		QA:	N/C Clo	sed:		Date: _	·
NCR:		. <b>W</b>	ORK OR	DER NON-	CONFORM	ANCE	(NCR)	)			
DATE	STEP	Description of NC		Corrective		tion B		Verific	ation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action	Description Chief Eng		Sign & Date	Secti		Chief Eng	QC Inspector
						•					
ı				·							
				-							
	1	I .	1					1		1	I

Work Order ID 6922'	Wo	rk	Or	der	ID	69227
---------------------	----	----	----	-----	----	-------

Thursday, May 05, 2011 11:47:34 AM



Page 2

Item ID:

D3391-025

Accept

Date:

Tool # Plan

Code

Setup Start

Stop



**Revision ID:** 

Item Name:

Aft Tube Assembly

**Start Date:** 

5/5/2011

QC:

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Date:\_\_\_\_\_

Tooling:

0.00

0.00

SPC (Y/N):

Set Up/

**Run Hours** 

Date:

Tool ID

11/05/24

Run

Start



Sequence ID/

Required Date: 5/20/2011

Work Center ID

120

HAAS 1

HAAS CNC vertical machine #1

Operation Description

HAAS CNC VERTICAL MACHINING #1

Memo

1-Machine as per Folio FA 599 Rev: AA & Dwg D3391 Rev:

2-Deburr

130

Quality Control

QC2- Inspect parts off machine FAI/FAIB

0.00

B. A 11/05/24

0.00

Stop

Reject Qty

Accept

Qty

Reject Insp. Number Stamp

140

QC8- Inspect parts - second check

Memo

Memo

0.00

0.00

Quality Control

	-							
W/O:			WC	RK ORDER CHANG	ES			`\
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	-							
		*						
						· .		
Part No	):	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQA:	Date: _	
,	Re	esolution:					Date: _	
NCR:		,	WORK ORDI	ER NON-CONFORMA	ANCE (NCR	)		
DATE STEP		Description of NC	Initial	Corrective Action Section Description	ion B Sign &	Verification	Approval	Approval
		Section A	Chief Eng	Chief Eng	Date	Section C	Chief Eng	QC Inspector
				~				
	. ,							

#### Work Order ID 69227

Thursday, May 05, 2011 11:47:34 AM



Page 3

Item ID:

D3391-025

Accept



Setup Start

Stop



**Revision ID:** 

Item Name:

Aft Tube Assembly

**Start Date:** 

Required Date: 5/20/2011

5/5/2011

Start Oty: 1.00

Req'd Qty: 1.00



Date: \_\_\_\_\_

**Cust Item ID:** 

**Customer:** 

Tool ID

Reference:

Approvals:

Process Plan: QC:

Operation

Skidtubes

Description

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Start Run

Reject

Qty

Stop

Reject

Number

Insp.

Stamp

Sequence ID/

Work Center ID

150

Skidtubes

Skidtubes

Set Up/ **Run Hours** 

0.00

0.00

1-Drill (PILOT HOLE) aft cap holes per Dwg D3391 using DT8803



11-5-25

Accept

Qty

160

CNC Bend 1

CNC Delta 100 Bender

Memo

BENDING MACHINE - SKIDTUBES

Memo

0.00

0.00

Form as per Dwg D3391 Using Bend Prog 3391025

11-5-25

170

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Quality Control

	<u> </u>								
W/O:			W	ORK ORDER CHANG	GES				·
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								,	
			·						
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No <b>DQA</b> :		_ Date:	
	Re	esolution:	Dispositio	n:	QA: N/C CI	osed:		_ Date: _	
NCR:		,	WORK ORD	ER NON-CONFORM	ANCE (NCR	)			
DATE	STEP	Description of NC		· ·	tion B	Verifica	tion	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector
				·					
_									

#### Work Order ID 69227

Thursday, May 05, 2011 11:47:34 AM



Page 4

Item ID:

D3391-025

Accept



Setup Start

Stop



**Revision ID:** 

Item Name:

Aft Tube Assembly

**Start Date:** 

5/5/2011

Start Qty: 1.00

Required Date: 5/20/2011

Req'd Qty: 1.00



Cust Item ID:

**Customer:** 

Reference:

				_	
А	nn	r۸	va.	le	٠

Process Plan:

Date: Date: Tooling:

SPC (Y/N):

Date:

Date:

Run

Start

Stop



Sequence ID/ Work Center ID

180



Skidtubes

Skidtubes

Operation Description Set Up/ **Run Hours** 

0.00

Tool ID

Tool # Plan Code

Accept Oty

Reject Qty

Insp. Reject Stamp Number

Skidtubes

Memo

0.00

1-Open Aft cap pilot hole to .208" as per Dwg D3391

2-Drill float bag holes using DT8809 as per Dwg D3391(Holes marked "A" Only.

3-Drill wearplate holes as per Dwg D3391 using DT8878(Mid Tube) & DT8217

\*\*\*\*\*Do Not Open To Finished Size\*\*\*\*\*

4-Drill Wearshoe holes as per DWG D3391 using DT8939 locating from 2 previously drilled aft wearplate holes.

5-Open wearplate holes to 0.250" and c'bore as per dwg D3391

6-Open up all wearshoe, wearplate to 0.297" and float bag holes to 0.328" as per Dwg D3391.

7-Deburr

11-5-31

W/O:			WC	RK ORDER CHANC	GES				
DATE	STEP	PR	OCEDURE CHA	NGE	Ву	By Date Qty Chief Eng Prod Mg			
_									
Part No		PAR #:							
Resolution:								Date:	······································
NCR:			WORK ORDI	ER NON-CONFORM	ANCE (NCI	₹)			
DATE	STEP	Description of NC			ction B		cation	Approval	Approval
	OIL.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector
		7							
•									·
				•					Y :

#### Work Order ID 69227

Thursday, May 05, 2011 11:47:34 AM



Page 5

Item ID:

D3391-025

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Aft Tube Assembly

Start Date: 5/5/2011

Start Qty: 1.00

Req'd Qty: 1.00

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start



Required Date: 5/20/2011

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/

Work Center ID

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Memo

Set Up/ Run Hours

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

200

HandFinish Hand Finishing Chemical Conversion Coat per QSI005 4.1

Memo

0.00

0.00

Quality Control

QC3-Inspect Part Finish

Memo

0.00

0.00

210

	-								
W/O:			W	ORK ORDER CHANG	SES				,
DATE	STEP	PRO	OCEDURE CHA	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						*			,
							,		*
		÷							
Part No	:	PAR #:	Fault Cat	egory:	_ NCR: Yes	No DQ	<b>4:</b>	Date: _	
	R	esolution:	Dispositi	on:	QA: N/C CI	osed:		Date: _	
NCR:		* 1	WORK ORE	DER NON-CONFORM	ANCE (NCR	2)			
		Description of NC			tion B	Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti		Chief Eng	QC Inspector
			,						
			3						
		The state of the s				1		,	

#### Work Order ID 69227

Thursday, May 05, 2011 11:47:34 AM



Page 6

Item ID:

D3391-025

Accept



Setup Start

Stop



Revision ID:

Item Name:

Aft Tube Assembly

**Start Date:** 

5/5/2011

Start Oty: 1.00 Reg'd Oty: 1.00

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Operation

Skidtubes

Description

Date:

Tooling:

Date: Date:

Start Run

Stop

Sequence ID/

Work Center ID

Required Date: 5/20/2011

QC:

Date: \_\_\_\_\_ SPC (Y/N):

Tool ID

Tool # Plan

Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

220

Skidtubes Skidtubes

Memo

Instal spacers as per dwg D3391 A/R Magnabond 6398 Batch: M116677 exp. date: 201/8/30 cure time 12hrs as per QS10015

0.00

0.00

Set Up/

**Run Hours** 

11-6-3

230

QC5- Inspect part completeness to step on W/O

0.00

0.00

Quality Control

235

HandFinish

Hand Finishing

Pressure Wash per QSI005 4.3

Memo

0.00

Memo

0.00

AND REALODINE AS PER PAR09-043

1X & M/11/06/06

W/O:			WO	RK ORDER CHAN	GES					
DATE	STEP	PRO	CEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·								
Part No	) <u> </u>	PAR #:	Fault Cated	lorv:	NCF	R: Yes I	No <b>DQ</b>	A:	Date:	
		esolution:								
NCR:		,	WORK ORDE	R NON-CONFORM	MANCE	(NCR	)			_
DATE	STEP	Description of NC	Initial	Corrective Action Se Action Description	ection B	Sign &		cation	Approval	Approval
		Section A	Chief Eng	Chief Eng	·· · · · ·	Date	Sect	on C	Chief Eng	QC Inspector
		-7								
		,								

#### Work Order ID 69227

Thursday, May 05, 2011 11:47:34 AM



Page 7

Item ID:

D3391-025

Accept



Setup Start

Stop



Revision ID:

Item Name:

Aft Tube Assembly

**Start Date:** 5/5/2011 Required Date: 5/20/2011

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID: Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date:

Run Start

Stop



Sequence ID/

Work Center ID

240

Powdercoat

Powder Coating

Operation Description

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

Set Up/ **Run Hours** 

0.00

Tool ID

Date:

Tool # Plan Accept Code Qty

Reject Oty

Reject Number

Insp. Stamp

QC:

Date:

START TIME: OVEN TEMPERATURE

QC3- Inspect Part Finish

Memo

0.00

0.00

260

HandFinish

Quality Control

HandFinishing

Memo

0.00

1-Install inserts as per Dwg D3391 Hand Finishing 2-Install Aft Cap as per Dwg D3391

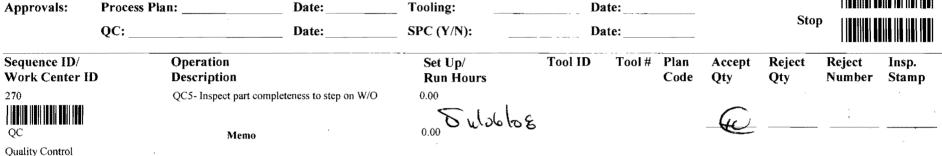
A/R Sikaflex-241/-291 / 166945 Sikaflex expiry date:

0.00

\_\_\_\_d Il dowlos

_ ~	TOPMOO				•				
W/O:			W	ORK ORDER CHANG	ES	_			
DATE	STEP	PROC	EDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			•	-		<del></del>			
		÷							
Part No	:	PAR #:	_ Fault Ca	tegory:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
	R	esolution:	_ Disposit	ion:	_ QA: N/C C	losed:		Date: _	
NCR:		W	ORK OR	DER NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sect	tion C	Chief Eng	QC Inspector
	,								
	,								
				,					
				•					

Work Ore Thursday, May							
Item ID: Revision ID:	D3391-025	*		Accept		Setup	Start
Item Name:	Aft Tube Ass	embly					Stop
Start Date:	5/5/2011	Start Qty: 1.00			Cust Item ID:		
Required Dat	e: 5/20/2011	<b>Req'd Qty:</b> 1.00			Customer:		
Reference:							
Approvals:	Process Pi	an:	Date:	Tooling:	Date:	Run	Start



QC Quality Control	Memo	3 oldely 7 one	<u></u>	
280	Identify as per dwg & Stock Location:	0.00 10412-742-043/1369243	, ,	o e O
Packaging Packaging	Memo	0.00	<i>q</i>	Hluloclos

290 QC21- Final Inspection - Work Order Release 0.00

Memo 0.00

Quality Control

11-de-08

Page 8

	•								
W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PROCI	PROCEDURE CHANGE				Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							.	·	
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
	R	esolution:	Disposition	n:	_ QA: N/C C	closed:		Date:	
NCR:		, WC	ORK ORD	ER NON-CONFORMA	NCE (NC	R)			•
DATE	STEP	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector
***									
<u>·. '</u>				·					
					·				

#### **Picklist Print**

Thursday, May 05, 2011 11:47:41 AM

Work Order ID: 69227

Parent Item:

D3391-025

Parent Item Name: Aft Tube Assembly



Start Date: 5/5/2011

Required Date: 5/20/2011

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev B 06-02-07

IPP Rev:C 06-03-28

ECN773 dwg rev. D EC Update Manuf. Instructions JLM 20 UL

revF dwg EC

IPP rev D 07.03.20

07.11.07

rev G dwg ecn 1053p EC verified by: DD

IPP rev E IPP Rev:F 07-11-13

ECN 1056 DD verified by: EC

IPP Rev:G 08-09-10 revH as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6014-090  ALUMINUM EXTRUSION		Manufactured	No			100	Each	11.0000	1	1			
•				Location		Loc	<u>Qty</u>	Loc Code					
D3670-4-200		Manufactured	No	LG	(5657)	230	II II Each	58.0000	4	4	- <b>9</b> nan,1	n le	15/11
SPACER				<u>Location</u> LG	B689 :	SO Loc	Oty 58 58	Loc Code	4	1		11-6	3
D2646  Aft Cap		Manufactured	No			270	Each	47.0000	]	) yel	ulc	o ble	,7
•				Location	!	Loc	<u>Otv</u>	Loc Code					
				FP006			43						
					62678		43			X.\	_		

FP-4

69019

W/O:			W	ORK ORDER CHANG	GES					
DATE	STEP	PRO	CEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							· · · · · · · · · · · · · · · · · · ·			
						`				·
Part No	:	PAR #:	Fault Cate	gory:	NCF	l: Yes	No <b>DQ</b>	<b>A</b> :	Date: _	
Resolution:			Dispositio	Disposition: QA			osed:		Date: _	
NCR:		\	WORK ORD	ER NON-CONFORM	ANCE	(NCR	)			
DATE	STEP	Description of NC	Description of NC Corrective Action				Verifi	cation	Approval	Approval
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Sect	ion C	Chief Eng	QC Inspector
										1-
								•		
_										
				•						

Thursday, May 05, 2011 11:47:41 AM

Work Order ID: 69227 Parent Item: D3391-025 Parent Item Name: Aft Tube Assembly Start Date: 5/5/2011 Required Date: 5/20/2011 Start Oty: 1.00 Required Oty: 1.00 D3537-1 Manufactured No 270 Each 20.0000 1106107 Wearpad Loc Oty Loc Code Location FP017 20 B 68 944 2 63313 66135 14 66935 4 D3537-7 10.0000 Manufactured No 270 Each Wearpad Loc Otv Loc Code Location FP017 10 56831 3 65146 D3553-1 No 270 Each 22.0000 Manufactured Howlot Gasket Location Loc Qty Loc Code FP013 22 22 56568 D3553-3 270 Each 46.0000 Manufactured No Gasket Location Loc Oty Loc Code 20 FP 31631 20 FP013 26 26 53480

	•									
W/O:			WO	RK ORDER CHANG	GES					
DATE	STEP	PRO	OCEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					•			-		
Part No	:	PAR #:	Fault Categ	ory:	NCI	R: Yes	No <b>DQ</b>	A:	Date:	
Resolution: Disposition: O				QA	: N/C C	losed:		Date: _		
NCR:			WORK ORDE	R NON-CONFORM	ANCE	(NCI	7)			
DATE	STEP	Description of NC	C Corrective Action Section B			٠	Verific	cation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign Date		ion C	Chief Eng	QC Inspector
										·
		,								
		,								
					-					

**"**'

Thursday, May 05, 2011 11:47:41 AM

Work Order ID: 69227 Parent Item: D3391-025 Parent Item Name: Aft Tube Assembly Start Date: 5/5/2011 Required Date: 5/20/2011 Required Oty: 1.00 Start Qty: 1.00 D3672-1 270 1,379.000 2 Manufactured No Each 1100107 Phenolic Washer Location Loc Qty Loc Code FP-A 29 52505 29 ST074 1350 X2 850 64177 66821 500 ALS4-1032-130 No 260 Each 1,338.000 Purchased 14 1106107 Insert Location Loc Qty Loc Code ST281 1338 M117717 117331 1338 ALS4-1032-225 270 1,069.000 Purchased No Each 12 12 1106107 Insert Location Loc Qty Loc Code FP-B 28 110768 28 y12 ST282 1041 110768 1041 270 AN3C4A Each 1,984.000 Purchased No **BOLT** Loc Qty Loc Code Location ST350 1984 X (a 984 117094 117313 1000

	_											
W/O:		WORK ORDER CHANGES .										
DATE	STEP	PRO	CEDURE CHA	ANGE	Ву	Date	Qty	Approval Chief Eng /	Approval QC Inspector			
								Prod Mgr	GO MOPOCIOI			
	1							•				
Part No	:	PAR #:	Fault Cate	egory:	NCR: Ye	s No I	DQA:	_ Date: _				
Resolution:			Disposition	on:	QA: N/C	Closed:		Date: _				
NCR:		,	WORK ORD	ER NON-CONFORM	ANCE (NO	CR)						
DATE	0.750	Description of NC:			tion B	Ve	Verification	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sig: Da	n&   ⊲	Section C	Chief Eng	QC Inspector			

Thursday, May 05, 2011 11:47:41 AM

Work Order ID: 69227

Parent Item:

D3391-025

Parent Item Name: Aft Tube Assembly



**Start Date: 5/5/2011** 

Required Date: 5/20/2011

Start Qty: 1.00

Required Qty: 1.00

AN3C5A

Bolt	

No

Purchased

270

Each

1,332.000

<u>Location</u>	<u>Lo</u>	c Oty	Loc Code		
FP-A		7			
115835		7			
ST350		1325			
115422		49			
1 <u>16419</u>		376			
116549		100			
117343		500			
117508		300			
	270	Each	0.0000	10	10

AN960C10L

Purchased

No

(KIO) JU 11/04/07

washer

W/O:			. WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		- <del></del>							
			•						
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No <b>DQ</b>	A:	Date: _	
Resolution: D			Dispositio	Disposition: QA				Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCF	R)			
DATE	STEP	Description of NC			ion B		cation	Approval	Approval
	,	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Sect	ion C	Chief Eng	QC Inspector
_									

DART AEROSPACE LTD		'Work Order:	69227
			The same of the sa
Description: Float Skidtube (412)	* ' ' .	Part Number:	D3391-3 🗻
Inspection Dwg: D3391 Rev: H		*	Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

·	. X	First Arti	cle	Protot	ype
<b>D</b>		A -41			

Drawing Dimension	"Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
		Lat	he Section	3		
14.000	+/-0.010	14,000			Mori Lothe	Control
3.500	+/-0.010	3.504			Mic + T.G.	E.D15
88.93	+/-0.030	88.930			tape.	EC-11
44.995~	±1-0.030	N/M		W127		
Ø3.200	+/-0.010	3,200	V		Micr	CNC-DS
88.93	+/-0.030	N/A	(/N	/ ]./-	05-11	
Ø3.750	+/-0.010	3.746	2	1	MICH	CNC-05
30° x 160" chamfer	+/-0.010	N/A	gent 11	1.05-1	11	

Measured by: MM/ 15.7-5.	Date: ////>//
Audited by:	Date: ///05/04/

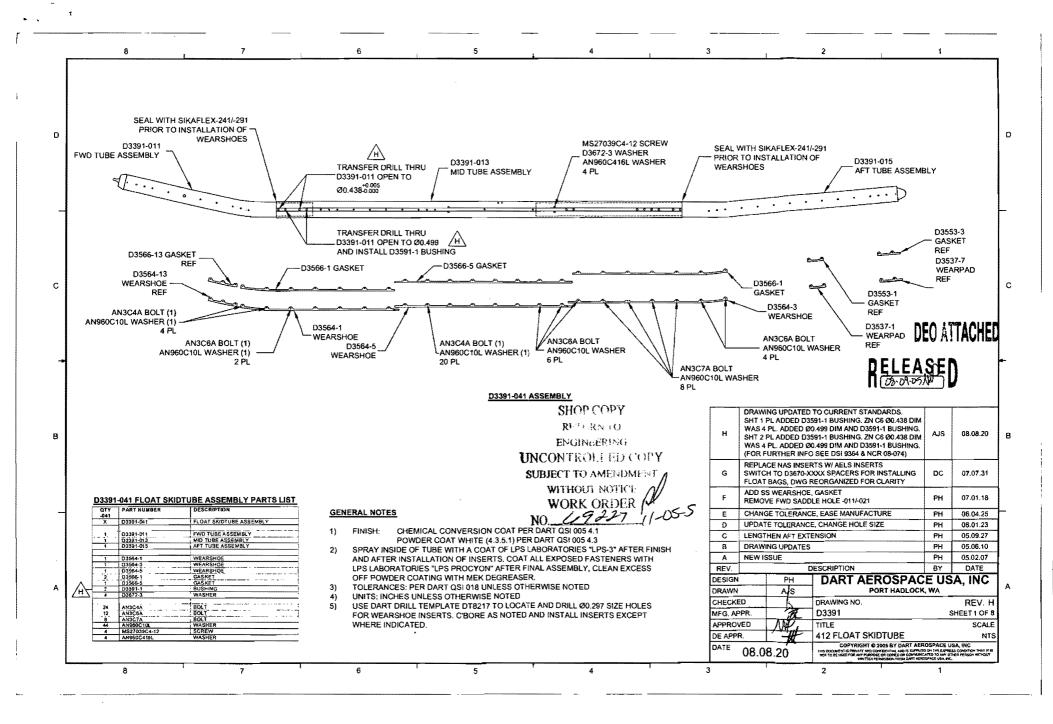
		НА	AS Section		
1.526	+0.000/-0.030	1.512		Vein	6A-01
7.500	+/-0.010	7.502	/	Yein	CNC-02
27.750	+/-0.010	27.750		TAPE	GA-12
31.750	+/-0.010	31.750	~	1r	11.
35.250	+/-0.010	35.250		11	, 1(
3.300	+/-0.010	3.302	/	Veca	64-01
0.200	+/-0.010	0.203		(i	11
3.520	+/-0.010	3.522		1,	11
0.687	+0.010/-0.000	0.690	_	,11	1(
R0:062	. +/-0.010	R0.063	-	R-6	ce for
Ø0.484	+0.005/-0.001	\$0.489		Vero	GA-01

Measured by: JF. 5. / MM / B.A 11 05 24 Date: 1/105/11/

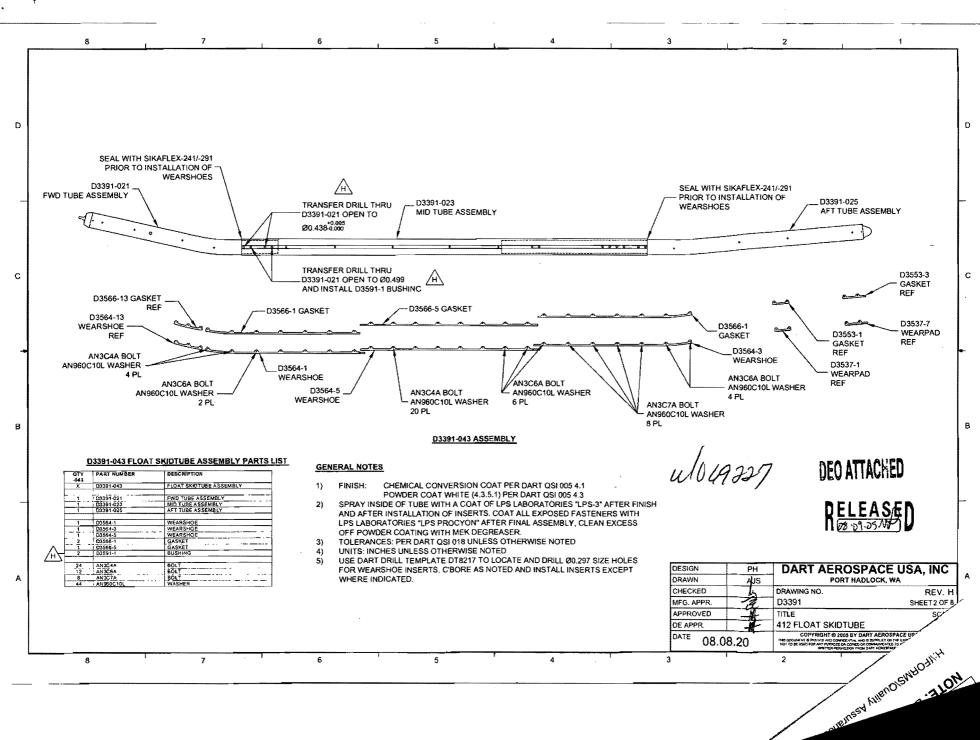
Audited by: JL Date: 1/105/24

Rev	Date	Change	Revised by	Approved
. A	06.04.24	New Issue P/O D3391-015/-025	KJ/JLM	
В	06.06.19	Dwg revision update -	KJ/JLM	
С	307.04.20	Ø0.208 dimension removed	· KJ/JLM	
D	07.09.06	0.400 dimension removed	KJ/JLM	-
E	07.11.23	Dwg Rev. updated	KJ/EC/DD	
F	09.04.27	Dimensions updated per Rev H and NCR09-028	KJ/JLM 1	11
G.	09.11.16	Dimension 0.200 removed	KJ KJ	AA



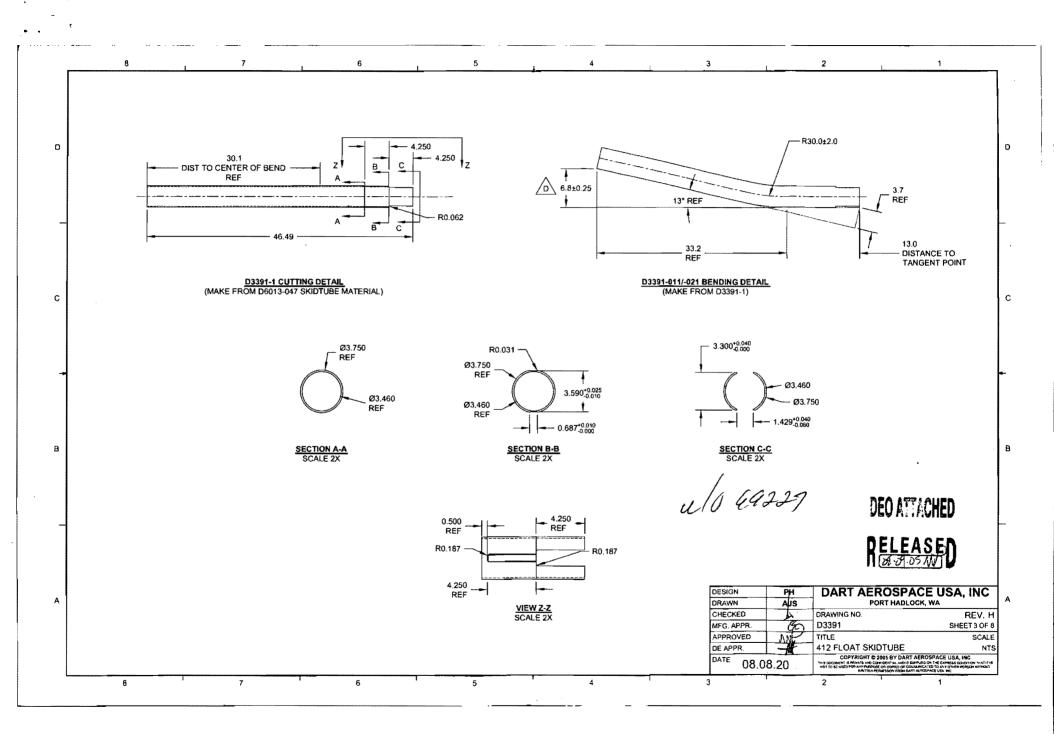


W/O:			W	ORK ORDER CHANG	ES	_			٠.
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Da	ite Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
_									
		*							
Part No	:	PAR #:	Fault Cat	egory:	_ NCR: Ye	s No	DQA:	_ Date: _	····
	Re	esolution:	Dispositi	on:	_ QA: N/C	Closed	d:	Date: _	
NCR:		V	VORK ORI	DER NON-CONFORMA	ANCE (NO	CR)			
DATE	CTED	Description of NC		Corrective Action Section		\	/erification	Approval	Approval
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da	n &	Section C	Chief Eng	QC Inspector
· <u> </u>									

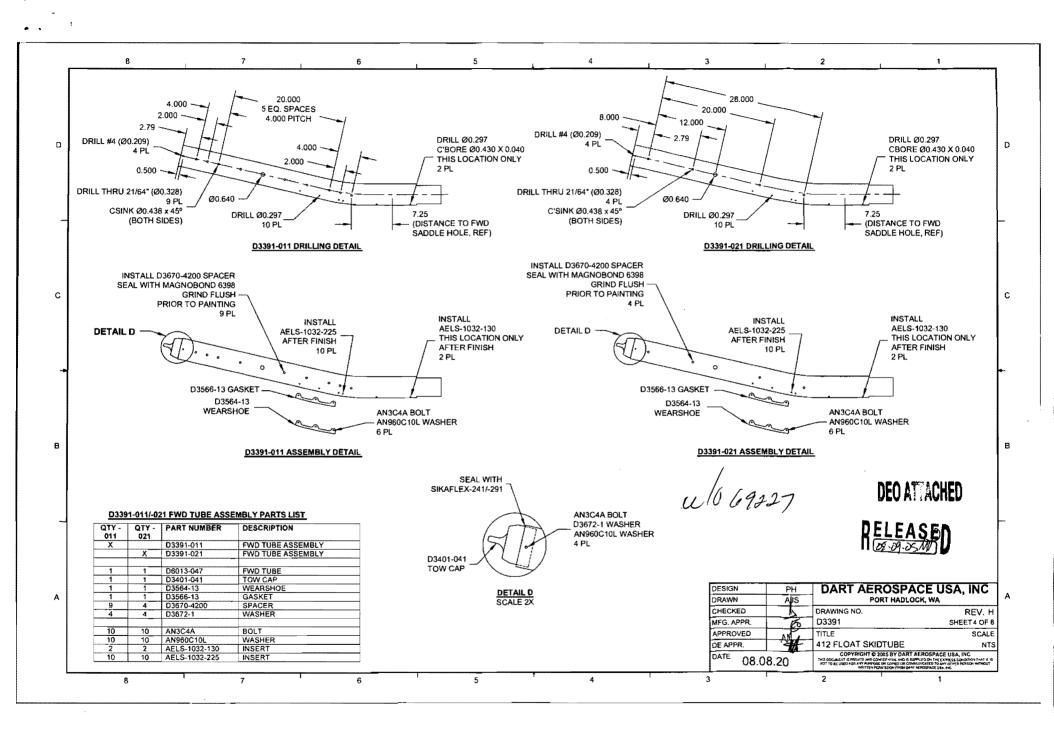


W/O:	<u>-</u>		W	ORK ORDER CHANG	ES			1 .
DATE	STEP	PRC	CEDURE CH	ANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		*						
Part No	:	PAR #:	Fault Cate	egory:	_ NCR: Yes !	lo DQA:	Date: _	
	R	esolution:					Date: _	
NCR:		'	WORK ORE	DER NON-CONFORMA	NCE (NCR)			
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description	on B Sign &	Verification		Approval
		Section A	Chief Eng	Chief Eng	Date	Section C	Chief Eng	QC Inspector

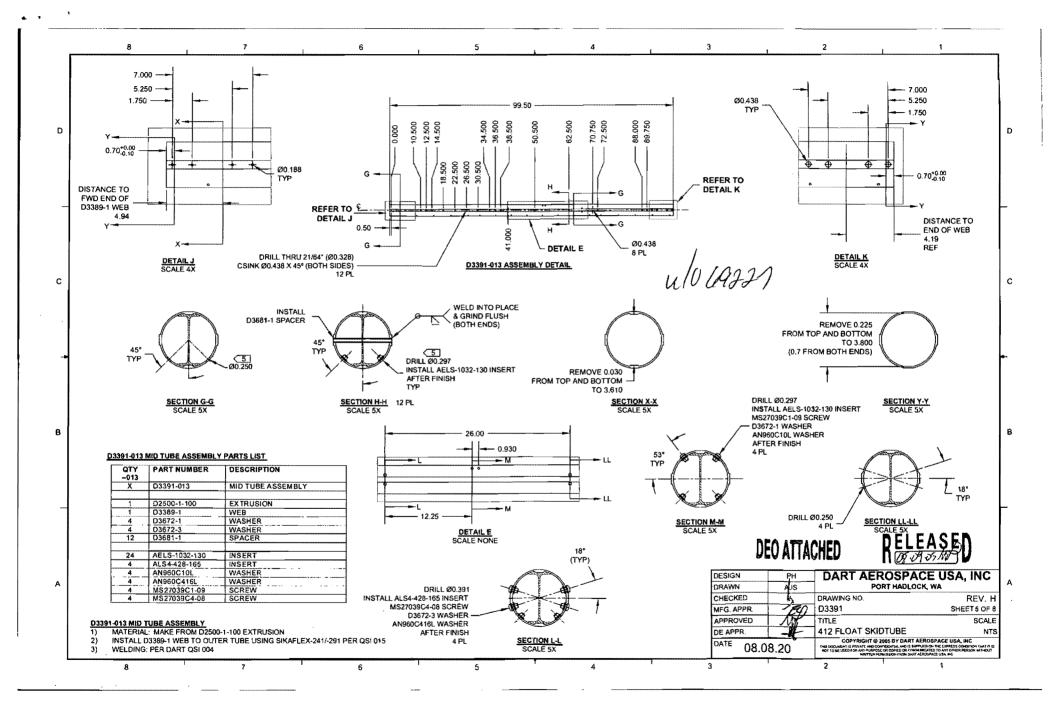
Date & initial all entries



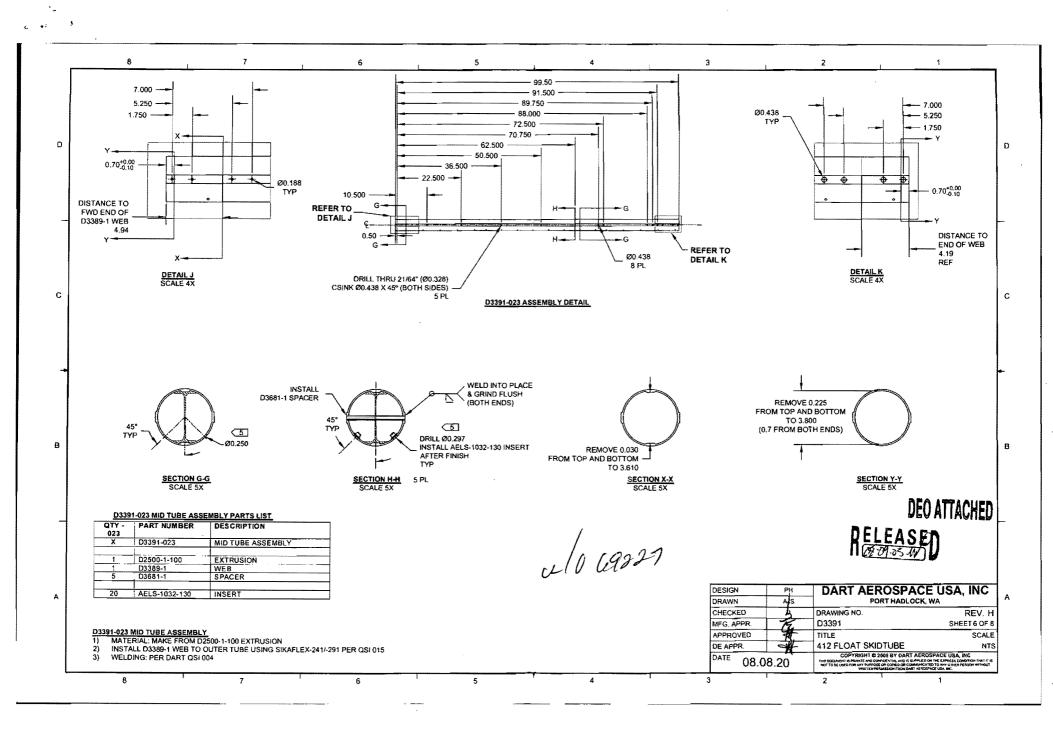
	•								
W/O:			W	ORK ORDER CHANG	GES				,
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			_						
		e.					_		
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DO	QA:	Date: _	
	Re	esolution:	Dispositio	n:	QA: N/C	Closed: _		Date: _	
NCR:		,	WORK ORD	ER NON-CONFORM	IANCE (NC	R)			
DATE	STEP	Description of NC			ction B	Verif	ication	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description  Chief Eng	Sign Dat	r&t   Sed	ction C	Chief Eng	QC Inspector
•									



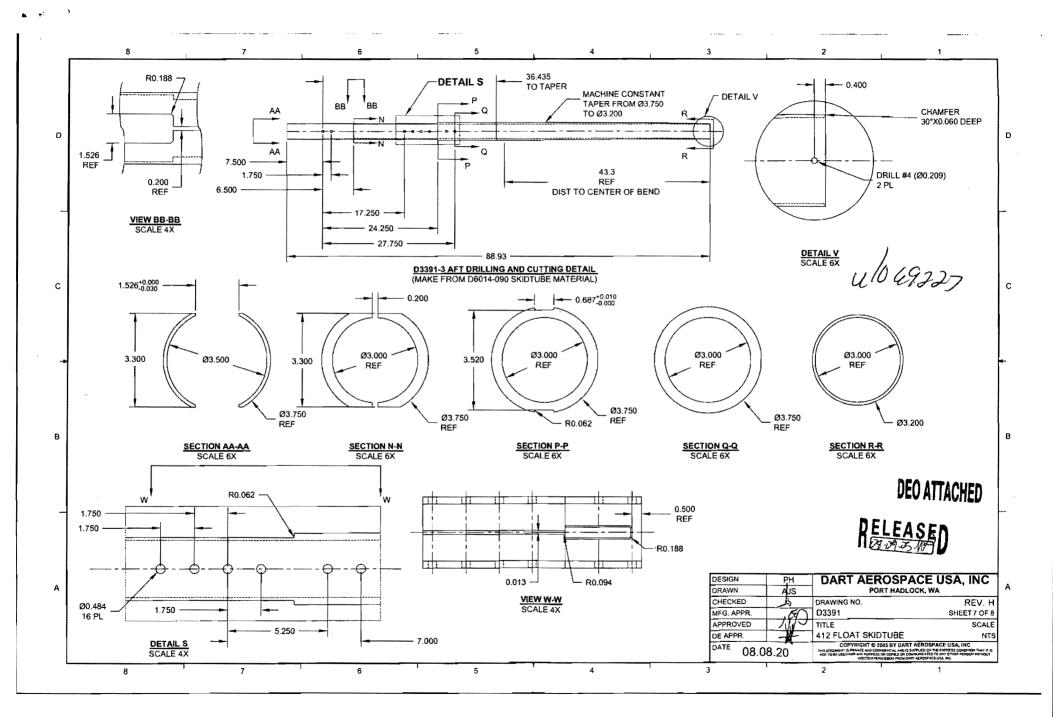
W/O:	_		W	ORK ORDER CHANG	iES				1 •
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng /	Approval QC Inspector
								Prod Mgr	ao mapatan
			-						
Part No	:	PAR #:	Fault Cate	egory:	_ NCR: Yes	No DO	QA:	Date: _	
	R	esolution:	Disposition	on:	_ QA: N/C (	closed: _		Date: _	
NCR:		V	VORK ORE	ER NON-CONFORM	ANCE (NC	R)			
DATE	OTED	Description of NC			tion B	Verif	ication	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Sec	ction C	Chief Eng	QC Inspector
_									
				•					



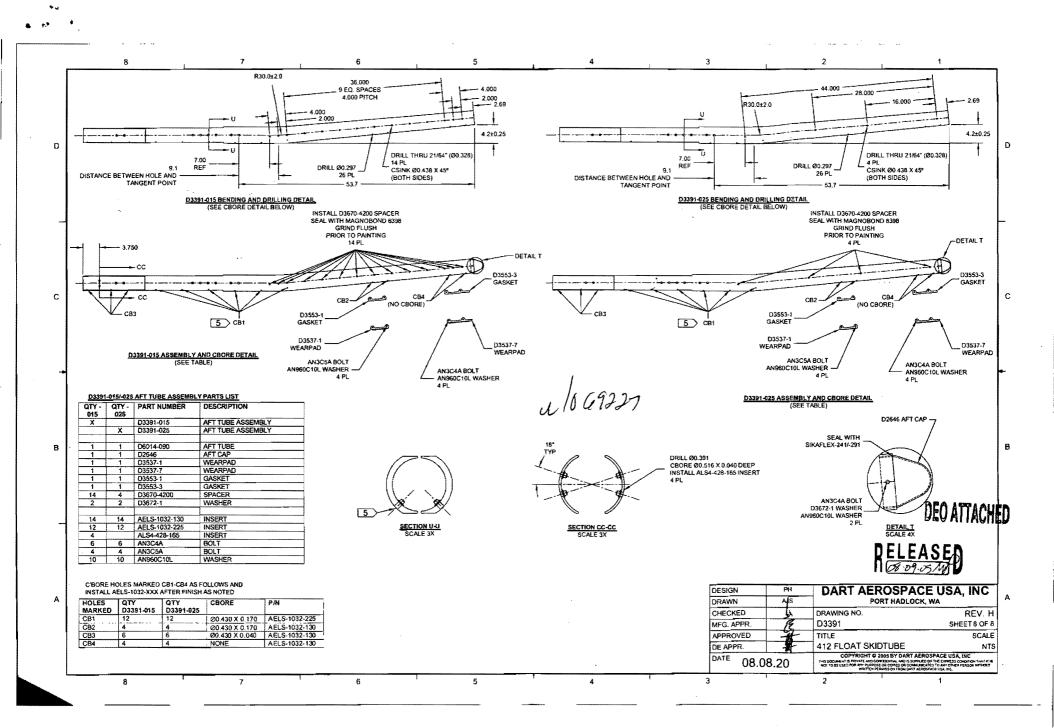
	-								
W/O:			W	ORK ORDER CHANG	ES				5
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	<b>Approval</b> Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:			_ NCR: Yes	No <b>DQ</b>	A:	Date:	
-	R	esolution:	_ QA: N/C C	osed:		Date: _			
NCR:		•	WORK ORE	PER NON-CONFORMA	ANCE (NCF	₹)			
DATE	STEP	Description of NC Corrective Action			on B	Verifi	cation	Approval	Approval
DATE	SILP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion C	Chief Eng	QC Inspector



	-								
W/O:			W	ORK ORDER CHANG	GES				ŧ
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:	Fault Cate	gory:	NCR: Ye	s No D	QA:	Date: _	
	Res	olution:	Dispositio	n:	QA: N/C	Closed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NO	CR)			
DATE	STEP	Description of NC			ction B	Ver	ification	Approval	Approval
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sigr Da	164 S	ection C	Chief Eng	QC Inspector



W/O:			Λ/	ORK ORDER CHAN	IGES				1 4
DATE	STEP	PRO	CEDURE CH		Ву	D	ate Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								1 100 Wigi	
								<i>t</i>	
	,								
Part No	:	PAR #:	Fault Ca	tegory:	NCR: Ye	s No	DQA:	Date: _	
		esolution:	•						
NCR:		. 1	WORK OR	DER NON-CONFORI	MANCE (NO	CR)			
DATE	STEP	Description of NC	Description of NC Corrective Action				Verification	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Descriptio Chief Eng	n Sig Da	n &	Section C	Chief Eng	QC Inspector
		·							
_									
			,						



D	art	: A	erc	Sp	ac	e	Ltd
---	-----	-----	-----	----	----	---	-----

W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	CEDURE CHA	NGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
										ŕ
	ŕ	-								
Part No	<b>:</b>	PAR #:	Fault Cate	egory:	_ NCR: `	Yes N	lo <b>DQ</b>	A:	Date:	
	R	esolution:	tion: Disposition:						Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (N	VCR)				
DATE	STEP	Description of NC	Initial	Corrective Action Section Description	tion B	ign &		cation	Approval	Approval
									1 2.7	
•		Section A	Chief Eng	Chief Eng		Date	Secti	on C	Chief Eng	QC Inspector
•		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector
		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector
		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector
		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector
		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector
		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector
		Section A		Chief Eng			Secti	on C	Chief Eng	QC Inspector

DRAWING N	NO. TITLE		REV. H	DART AEROSPACE (	JSA, INC D.E.O. NO.	SHEET NO.	SCALE
D3391	412 FLO	AT SKIDTUBE	r	ENGINEERING OF	RDER D3391-H-1	SHEET 1 OF, 1	NTS
DRAWN	P	CHECKED	Į,	MFG. APPR.	APPROVED MAD	DE APPR.	
DATE	09.09.23	DATE	04.04.24	DATE 09/09/25	DATE 29/09/30	DATE 09/09/3	,

#### **PURPOSE:**

LPS-3 IS NO LONGER USED DURING ASSEMBLY OF D3391-041/-043 SKIDTUBES.

#### **CHANGE:**

AMEND NOTE 2 OF D3391-041/-043 SKIDTUBE ASSEMBLIES (ZN A6-1, A6-2) AS FOLLOWS:

2) SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH-AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER.

DELEASED 2010 -02- 0 2

.INF

u/069227

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROC	EDURE CH	IANGE	, By	Date Qty	Approval Chief Eng	Approval QC Inspector	
			*		*				
t N		May de	N <sub>e</sub>						
Part No:		PAR #:		tegorŷ:	NC		lo DQA:	•	
NCR:	7. H	WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Action Descri	Section B ption	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
· ·				,		•			
200			•			-			